

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Maintenance of Borewell at Shettyhalli, Abbigere, Medarahalli and chikkasandra in W.no.12 Shetty halli Sub division

Sl. No.	Particulars	Unit	Qty	Rate	Amount
1	2	3		4	5
	PART - A				
A	MOTOR REWINDING				
1	Repairs to Motor: Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months above 5H P up to 10 HP add Rs.150/- per Every 5HP above 10 H Pup to 20 HP add 175per every. 5HP (As per Pre SR 2012-13) Page No.63, Item No. A(3)	Each		2500	40000.00
	For 7.5 HP		16	3250	52000.00
	For 10.0 HP		89	3420	304380.00
	For 12.5 HP		12	4170	50040.00
			117		
B	PUMP REPAIRS - PRE SR 2012-13 Page No.54				
	Replacement of pump parts the following main components of submersible pump sets requiring replacement				
2	Pump bowls	Each	498	700	348600.00
3	Intermediate piece (I.P) with leaded bronze bush	Each	25	450	11250.00
4	Oil seal	Each	25	125	3125.00
5	Oil seal steel bush	Each	70	150	10500.00
6	Guide vane	Each	240	175	42000.00
7	Impeller shell moulded with aluminum and bronze	Each	516	425	219300.00
8	Discharge outlet (D.O.) bearing D.O. steel bush	Each	25	445	11125.00
9	D.O. bearing	Each	65	285	18525.00
10	Steel bush (D.O. steel bush)	Each	82	150	12300.00
11	Allen screw	Each	82	25	2050.00
12	Pump shaft made out of stainless steel center less ground with key way (upto 8 stages) + Rs.40/- stage extra, 20 stages	Each	25	950	23750.00
13	Pump Key	Each	65	125	8125.00
14	Pump coupling (stainless steel)	Each	25	250	6250.00
15	Non return valve assembly complete. Rubber 'O' ring	Each	25	1350	33750.00
16	Cable guard	Each	25	150	3750.00
17	Steiner	Each	25	150	3750.00
18	Brass filter	Each	82	250	20500.00
19	Labour charges (over hauling only)	Job	133	550	73150.00
C	MOTOR REPAIRS				
20	Upper flange	Each	38	350	13300.00
21	Lower Housing	Each	38	650	24700.00
22	Lower Flange	Each	38	350	13300.00
23	Lock ring	Each	38	85	3230.00
24	Carbon housing	Each	38	475	18050.00
25	Thrust bearing block assembly with segment bearing pad	Each	38	1150	43700.00
26	Tip carbon	Each	38	150	5700.00
27	Studs and nuts	Each	38	50	1900.00
28	Barring (Gun Metal) Centrifugal Cas Aluminium Bronze, Bearing Bush.	Each	250	400	100000.00
29	Circulips	Each	100	50	5000.00

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Sl. No.	Particulars	Unit	Qty	Rate	Amo.
2		3		4	5
30	Motor base with pin	Each	80	475	38000.00
31	Transportation of pumping Machineres	Each	266	900	239400.00
32	Supplying and delivery at site brand new texmo / innoval / lubi/ sabr / atalanta / calamal make suitable for vertical installation in 150mm dia borewell compressing of single stage of multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz. 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return valve etc., complete. The pump and motor shall form an integral unit with all the required fittings 7.5 HP 16 stage, Item No.17, Page No.XXXX PWD SR.2015-16	No.	1	45800	45800.00
33	Do Item No.33 The pump and motor shall form an integral unit with all the required 12.5 HP 24 stage, Item No.27 Page No.XXXX SR-2015-16.	No.	2	63400	126800.00
34	Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm/50mm) cable (New Submersible pump aer (including transportaion charges (P.No.564, Item No.03, BWDDDB SR-2013-14	Each	2000	88	176000.00
35	Labour charges for lifting of non functioning submersible pump set along with cable and GI pipes (Each length =6m) i)50mm (P.No.564, Item No.01, BWSSB SR-2013-14)	Each	2000	109	218000.00
36	Labour Charges (Over hauling only) 10.3.22 / 8156	Job	133	~~550~~	73150.00
37	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to cable 3 class 5 of IS 8130 - 1984 and latest amendments of IS 694 / 1990 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per Page No.408, Item No.30/c (a) BWSSB SR - 2011-12 535	Rmtr	700	159.50	111300.00
38	Supplying and fixing 50 mm GI pipes 'C' class heavy duty for erection of submersible pump set (As per BWSSB store issued Rates)		110	L.S. 402.75	44302.50
39	UG Cable - d) 4Core 16 sqmm - as per Electrical SR PWD - 2010-11 (P.68-69, I.No.1 Class 'S' PVC Canle) IN 67.4.4 Pg 55	Rmtr	200	~~150~~ 140.40	30000.00
40	Digging of trench of 1.00 mm deep x 0.60 mtr wide refilling the trence to the required ground level and consolidating etc complete (as per Pre SR-2011-12 Page No.1, Item No.1.2.1.) in ordinary soil	Cum	72	~~445~~ 135	10440.00
41	UG Cable - Labour charges d) 4Core 16 sqmm - as per Electrical SR PWD - 2010-11 (P.68-69, I.No.1 Class 'S' PVC Cable)	Rmtr	120	8	960.00
42	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming, after watering with lead upto 50m. And lift upto 1.5m including cost of all labour complete as per specifications (PRESR-2011-12, Page No.03, Item No.1.6	Cum	72	65 61	4680.00

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Sl. No	Particulars	Unit	Qty	Rate	Amount
2		3		4	5
43	Fabricating supplying and mounting MS box made out 14 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland box should be finished with 2 coats of red oxide primer paint and finally finished with approved color enameled metal paint etc., complete BWSSB S.R-2012-13, Page No.403, Item No.39 (a)D, 1200 X800X2=1920000, 800X300X2=480000, 300X400/2=350X1200X840000=3240000 / 100=32400 SQCM X0.39=12636	Each	22 24	12636	25272 303264.00
44	Supplying fully automatic star - Delta starter unit push button type with suitable wires 3 Contractors, One adjustable thermal timer mounted on a common base plate heeld in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor. PRE Electrical SR-2010-11, Chapter-2, Page No.14, Item No.08 (a), 1 & 2 14-15 P-44 6.2 12.5 5.2	Each	45	5880 5553	264600.00 247235
45	Fixing outdoor panel box 1-5	Each	45	319	14355.00
46	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered incerted wooden plugs screws etc F:20" X 20" X 2.5" PWD Electrical r-2010 (P.32, Item No.2.f) 14-15 6-34 6.66	Each	45	285 322	12825.00 13574.1
47	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc with providing for fixing suitable type capacity MCB's single phase / 3phase single door with powder coated painting etc complete, Single door a) 4 way SP & N PWD Electrical SR 2010-11 (P.37 Item No.1a) 1) 14-15 6.17.1	Each	35	750 706	26250.00 24710
48	Supplying and fixing of porcelain fuse channel with cutouts on existing wooden / panel using necessary nuts. Bolts and washers etc complete PWD Electrical SR 2010-11 (P.32 Item No.3 b) 14-15 P-45 6.7.3	Each		232 122	16560
49	63 Amps	Each	70	249	15768.00
50	Supplying and fixing single phase preventer PWD Electrical SR 2010-11 (P.14, SL No.9)	Each	60	735	44100.00
51	Supplying fixing and wiring 0 to 600 Volts 96 X 96mm AC voltmeter - PWD Electrical SR 2010-11 (P38, SL.No.16)	Each	40	373 430	15560.0 17200.00
52	Supplying fixing and wiring 0 to 100 Amps Direct Reading AC analog Ammeter PWD Electrical SR 2010-11 (P39, SL.No.19)	Each	40	415 405	16680 14800.00
53	Supplying fixing and wiring rotary selector switch suitable for ammeter PWD Electrical SR 2010-11 (P39, SL. No21)	Each	40	172 430	6880 17200.00
54	Supplying fixing and wiring rotary selector switch suitable for Voltmeter-PWD Electrical SR 2010-11 (P39, SL. No22)	Each	30	148 245	4280 7350.00
55	Supplying and fixing for LED type panel board indicating lamp with - 220 V AC 50 Hz 12/24v DC a) Group A) PWD Electrical SR 2010-11 (P.40 SL. No.34) 14-15 P-48 6.36	Each	40	430 442	17680 17680.00
56	Supplying and fixing of 4 pole power contactor PWD Electrical SR 2010-11 (P.34 SL. No.08) 25 Amps 14-15 P-45, 6.12	No	28	925 1303	25900.00 36484

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Sl. No.	Particulars	Unit	Qty	Rate	Amount
	2	3		4	5
57	KSRB 13-7-2.4 Providing and fixing in position 50mm nominal bore non-return valve Horizontal type of approved make including cost of all materials labour and HOM of equipments with all leads complete as per specification No.KBS 13.2.10/13.13 (P.82/1.12.62 PW.P IWTD SR 2010-2012) PWD SR-15-16 Pg 93/13-35	No	29	1490.00 1051	43210 30479.00
58	Supplying and fixing 50mm GL Union, PWD SR 2013-14 Page No.XXXVIII, GI Fittings.	No	32	223.7	7158.40
59	Supplying and fixing 50mm GI Elbow, PWD SR 2013-14 Page No.XXXVIII, GI Fittings.	No	32	122 14.80	3904.00 3913.00
60	Supplying and fixing 50mm GI Nipple, PWD SR 2013-14 Page No.XXXVIII, GI Fittings.	No	85	104.3	8863.50
61	Supplying and fixing 50mm GI Collard CE (M) BWSSB Letter No:BWSSB/CE/(M)ACE(M)-IITA-08-9194/2008-09 Dated:21.01.2010	No	180	125	22500.00
62	Supplying and fixing gunmetal gate valve 50mm nominal bore (PRE SR 2010-11 PIV SL No.134) IRS - 12-13 / 8-1/16	No	8	1200	9600.00
63	Old GI Pipe threading and transportation charges Rs.27 per Mtr-6.00 Mtrs x 27/- (PWD SR-11-12, page No.18, 3.11.6)	No	155	162	25110.00
12	Miscellaneous and unforeseen Charges				639906.50
				Total	3500000.00

(Rupees Thirty Five Lakhs Only)

CERTIFICATE

- 1 The Work spot has been inspected and the work found to be necessary
- 2 The Estimate is prepared as per the PWD SR 2015-16
- 3 The Provision made in estimate are adequate and essential
- 4 This area comes under BBMP limits.

Pau. N. K.
Asst Engineer
Ward No-12

Shetty
Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

U. K.
Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE/D2/TS/13/15-16 ದಿನಾಂಕ : 04/01/2016
ರೂ. 35,00,000/- ರೂ. ಮೂವತ್ತೈದು ಲಕ್ಷ
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ಈ ಉದ್ದೇಶಕ್ಕಾಗಿ ಅನುಮೋದನೆ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳು
ಬಿ.ಬಿ.ಎಂ.ಸಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.
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